

TRANSMITTAL LETTER

In re Application of:  
O'CONNOR, P. et al.

Serial No.: 10/602,803  
Filing Date: June 24, 2003

Title: USE OF CATIONIC LAYERED MATERIALS,  
COMPOSITIONS COMPRISING THESE  
MATERIALS, AND THE PREPARATION OF  
CATIONIC LAYERED MATERIALS

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450



: Docket: ACH 2946 US  
:  
: Examiner: ----  
:  
: Group Art Unit: ----

CERTIFICATE OF MAILING  
I hereby certify that this correspondence is being  
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Commissioner for Patents, P.O. Box 1450,  
Alexandria, VA 22313-1450

on September 22, 2003

  
Lynn Brush

Sir:

☒ Transmitted herewith find the document(s) related to this application.

1. TRANSMITTAL LETTER IN DUPLICATE;
2. INFORMATION DISCLOSURE STATEMENT;
3. PTO-1449 FORM;
4. DOCUMENTS (23);
5. CERTIFICATE OF MAILING; and
6. POST CARD

☐ Applicant hereby petitions for an extension of time under 37 CFR 1.136 of:

- |  |  |
|--|--|
| <input type="checkbox"/> One Month (\$110.00)    | <input type="checkbox"/> Two Months (\$ 410.00)  |
| <input type="checkbox"/> Three Months (\$930.00) | <input type="checkbox"/> Four Months (\$1450.00) |

The total fee believed due is \$0.00. Please charge this amount and any other fees which may be due (including filing fees under 37 CFR 1.16 and processing fees under 37 CFR 1.17) to Deposit Account No. 01-1350. If an extension of time is required but has not been requested above, Applicant hereby petitions for an extension of time sufficient for the attached document(s) to be timely. A duplicate copy of this sheet is enclosed.

Respectfully submitted,



Ralph J. Mancini  
Attorney for Applicant(s)  
Reg. No. 34,054

Akzo Nobel Inc.  
Intellectual Property Department  
7 Livingstone Avenue  
Dobbs Ferry, NY 10522-3408  
Tel No.: (914) 674-5465



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Lynn Brush  
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INFORMATION DISCLOSURE STATEMENT

In accordance with the requirements of 37 CFR §1.56, applicants submit the documents attached hereto to be made of record in the above-identified case. A listing of said documents on form PTO-1449 is also attached.

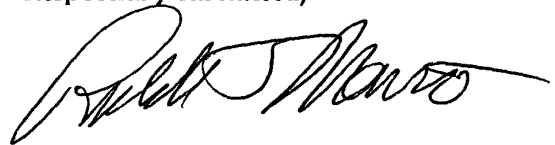
The present Information Disclosure Statement is being filed within three months of the filing date; therefore, no filing fee is believed to be required. If a filing fee is required, the Commissioner is hereby authorized to charge applicants' deposit account 01-1350 for the full amount of said fee.

A copy of the European Search Report dated May 9, 2003 is enclosed herewith.

This Statement is not intended to represent that no better art exists. Applicants reserve the right to contest the applicability of the documents attached hereto as prior art in the event that any information is discovered which demonstrates that said documents do not qualify as prior art.

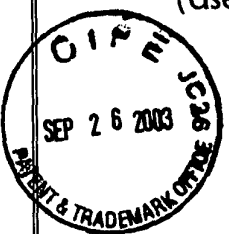
Consideration of the present Information Disclosure Statement is respectfully requested. The claimed invention is, however, deemed to represent a patentable departure from the teachings of the prior art.

Respectfully submitted,


A handwritten signature in black ink, appearing to read "Ralph J. Mancini", written in a cursive style.

Ralph J. Mancini  
Attorney for Applicant(s)  
Reg. No. 34,054

Akzo Nobel Inc.  
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7 Livingstone Avenue  
Dobbs Ferry, NY 10522-3408  
Tel No.: (914) 674-5465

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary) PTO-1449 (modified)				Atty. Docket #		Serial No.	
				ACH 2946 US		10/602,803	
				Applicant O'Connor, P. et al.			
				Filing Date June 24, 2003		Group Art Unit	
							
<b>U.S. PATENT DOCUMENTS</b>							
Init	Document Number	Date	Name	Class	Subclass	Filing Date	
	5,730,951	03-1998	Martin et al.	423	593		
	6,156,695	12-2000	Soled et al.	502	305		
<b>FOREIGN PATENT DOCUMENTS</b>							
	Document Number	Publ. Date	Country	Class	Subclass	Translation	
						Yes	No
	WO 99/20389 A1	04-1999	PCT International	B01J	21/16		
	WO 99/41195 A1	08-1999	PCT International	C01F	7/00		
	WO 00/44672 A1	08-2000	PCT International	C01F	7/00		
	WO 01/12319 A1	02-2001	PCT International	B01J	21/16		
<b>OTHER DOCUMENTS</b> (Including Author, Title, Date, Pertinent Pages, etc.) continued on page 2 of 2							
European Search Report Application No. EP 02 07 8429 dated May 9, 2003.							
Levin, D. et al., "Chimie Douce Synthesis of a Layered Ammonium Zinc Molybdate," Chem. Mater, Vol. 8, Number 4, pp. 836-843 (1996).							
Levin, D. et al., "Chimie Douce Synthesis of Nanostructured Layered Materials," American Chemical Society Symp. Ser., Vol. 622, pp. 237-249 (1996).							
Soled, S. et al., "Soft chemical synthesis of mixed metal molybdate oxidation catalysts and their structural relationship to hydrotalcite," Stud. Surf. Sci. Catal., Vol. 118, pp. 359-367 (1998).							
Astier, M. et al., Ann. Chim., Fr. Vol. 12, Numbers 4&5, pp. 337-343 (1987).							
Derwent Abstract Number 1999:598 abstracting F. Malherbe et al., Appl. Clay Sci., Vol. 13, Numbers 5&6, pp. 451-466 (1998).							
Derwent Abstract Number 1997:570357 abstracting H. Kominami et al., J. Ceram. Soc. Jpn., Vol. 105, pp. 707-709 (1997).							
Derwent Abstract Number 1996:452903 abstracting Corma et al., Chem. Commun., Vol. 14, pp. 1613-1614 (1996).							
<b>EXAMINER</b>				<b>DATE CONSIDERED</b>			

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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<b>FOREIGN PATENT DOCUMENTS</b>							
	Document Number	Publ. Date	Country	Class	Subclass	Translation	
						Yes	No
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
	Levin, D. et al., "Chimie Douce Synthesis of Nanostructured Layered Materials," Polym. Mater. Sci. Eng., Vol. 73, p. 270 (1995).						
	Derwent Abstract 1996:1064 abstracting D. Levin et al., Polym. Mater Sci. Eng., Vol. 73, p. 270 (1995).						
	Derwent Abstract Number 1995:925899 abstracting D. Levin et al., Meeting Abstract ACS National Meeting, Chicago (1995).						
	Gopalakrishnan, J., "Chimie Douce Approaches to the Synthesis of Metastable Oxide Materials," Chem. Mater., Vol. 7, Number 7, pp. 1265-1275 (1995).						
	Derwent Abstract Number 1995:545497 abstracting J. Guo et al., Chin. Chem. Lett., Vol 6, Number 4, pp. 349-352 (1995).						
	Derwent Abstract Number 1990:80406 abstracting K. Chibwe et al., Prepr. - Am. Chem. Soc., Div. Pet. Chem., Vol. 34, Number 3, pp. 507-510 (1989).						
	Derwent Abstract Number 1988:211043 abstracting T. Kwon et al., J. Am. Chem. Soc., Volume 110, Number 11, pp. 3653-3654 (1988).						
	Derwent Abstract Number 1982:444968 abstracting O. Marino et al., Thermochim. Acta, Volume 55, Number 3, pp. 377-383 (1982).						
	Website document for J. Ying, selected publications, research program nanostructured mtl's, page 5.						
<b>EXAMINER</b>				<b>DATE CONSIDERED</b>			

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